# Fort Detrick Storm Water Program

# Be Aware: Anything that is dumped into the storm drains will end up in the Chesapeake Bay.

# Storm Water

Fort Detrick discharges to high quality waters.

Monocacy River is classified as recreational trout waters and public supply water (Use IV-P). Fort Detrick, Frederick County and the City of Frederick acquire drinking water from the Monocacy River.

Carroll Creek and its tributaries are classified as natural trout waters and public water supply (Use III-P).

# Storm Water Permits

- General Discharge Permit for Storm Water Associated with Industrial Activities.
- General Permit for Discharges from Tanks and Pipes, and other Liquid Containment Structures at Facilities other than Oil Terminals.
- General Permit for Construction Activities.
- Phase II NPDES General Permit for Discharges from State and Federal Small Municipal Separate Storm Sewer Systems.

# General Discharge Permit for Storm Water Associated with Industrial Activities

Requires the implementation of a Storm Water Pollution Prevention Plan (SWP3).

- The Plan identifies potential sources of pollution that may affect the quality of storm water.
- The Plan describes and ensures that implementation of best management practices are used to reduce the pollutants in storm water to assure compliance with the permit.
- Weekly inspections and records are required for significant industrial users.

# General Permit for Discharges from Tanks and Pipes at Facilities other than Oil Terminals

Allows for the surface water discharge of chlorinated drinking water.

- Fire hydrant flow tests.
- Water main flushing from fire hydrants.
- Water main repairs.
- Building sprinkler system flushing and repairs.
- Storm water discharges from petroleum storage tank secondary containment structures.

# General Permit for Construction Activities

- Permit covers storm water discharges associated with construction activities.
- All construction activities of one acre or more must obtain a “Notice of Intent” (NOI) to comply with permit requirements.

# Phase II NPDES General Permit for Discharges from State and Federal Small Municipal Separate Storm Sewer Systems

Six Minimum Control Measures:

- Personnel Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post Construction Management
- Pollution Prevention and Good Housekeeping

# Storm Water Management and Erosion and Sediment Control Permits

- All construction projects disturbing 5,000 sq. ft. or more are required to obtain storm water management and sediment & erosion control permit approval prior earth disturbance.

- The Maryland Department of the Environment (MDE) permitting process could take up to 6 months for approval.

# Waste Management & Good Housekeeping

- **NEVER** use storm drains or ditches for waste disposal.
- Segregate and dispose waste in proper container.
- Do not drain secondary containments without approval.
- Close lid or cover on dumpsters and other waste containers.
- No liquid wastes in dumpsters.

# Erosion and Sediment Control

- Urban areas contribute 200-500 tons of sediment per square mile to waterways.
- One of the three major causes of surface water impairment in Maryland.

# Erosion and Sediment Control Responsibilities

- Identify eroded areas and areas with potential for erosion.
- Routinely inspect and evaluate erosion prevention measures.
- Report filled or plugged storm water outfalls, inlets, drains and ditches.
- Report sediment laden “dirty” storm water runoff.
- Stabilize disturbed soils.
- Keep the road and grounds clean.
- Minimize “off-pavement” vehicle traffic.

# Construction Site Sediment Runoff

# Spill Prevention and Response

- Fort Detrick has a Spill Prevention Control and Countermeasures (SPCC) Plan to minimize the potential for petroleum discharges to waterways.

- Proper cleanup practices.
  - Know where the spill response kits are located.
  - Never hose down a spill.
  - Dry cleanup.
  - Protect storm drains.
  - Dispose of recovered wastes properly.

# Spill Notification and Response

Proper spill response notifications and documentation

- Dial “3-7114” to report small spills that can be easily cleaned and do not cause immediate impact to the environment.
- Dial “911” to report spills that have impacted the environment or have the potential to cause harm to people or property.
- Spills that impact the environment must be reported to the Maryland Department of the Environment (MDE) within 2 hours of discovery.

# Spill Notification and Response

- Spill notification should be conducted as soon as feasibly possible to ensure proper response and follow-up regulatory reporting.
- Provide evaluation of spill: location of spill, substance spilled, quantity of spill, containment of spill, etc.
- Determine immediate steps that can be taken with currently available resources to provide safe and effective control and cleanup of spill.

# Spill Notification and Response

- Spill control and cleanup measures must be consistent with level of training.
- Do not conduct response activities that you have not been trained to handle.
- Do not put yourself or others at risk.
- If possible, stay at the scene at a safe distance from spill event to provide information to the Fire Department.

# Vehicle Washing

- Auto Hobby Shop: Privately owned self service vehicle washing (24 hours per day).
- Flair Reserve Center Wash rack: Military vehicle washing.
- Interior Maintenance Bays: DIS vehicle and equipment washing.
- Temporary Fire Station & Building 1504 Fire Department: Fire Department vehicle and equipment washing
- Incinerator: Garbage truck washing.
- All charitable fund raising vehicle wash events must be conducted at the Auto Hobby Shop self service vehicle wash.

# Storm Water Pollution Prevention Training

- **Industrial site POC training**: Conducted annually during industrial site evaluations.
- **Oil handling personnel refresher training**: Conducted annually to ensure personnel are familiar with SWP3, SPCC Plan and permit requirements.
- **SWP2 Committee training**: Conducted annually during SWP2 committee meeting.
- **SWP2 ECO Training**: Conducted annually during ECO training.

# Your Responsibilities

- Review your site (and all areas within Fort Detrick) for actual or potential non-storm water discharges.
- Vehicle washing.
- Proper spill notification and response.
- Conduct good housekeeping at your facility.
- Contact HMMO for proper disposal of hazardous wastes and hazardous materials.

# Junk from the Gutter

# Makes us Sputter